

## EFFULGENCE-510

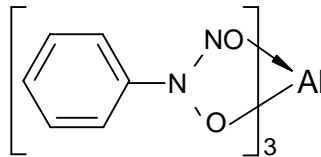
### Inhibitor

#### General

Effulgence-510 is a non-oxygen dependent in-can stabilizer for UV ink systems. It has high affinity to the radicals formed during storage and thus brings exceptional stability to the formula. Under recommended dosage, Effulgence-510 does not reduce the photospeed, nor affect other rheological properties. It is compatible with a variety of monomers and oligomers, hence making it the best choice for UV ink in-can stabilizers.

#### Properties

Structure :



Chemical name : N-Nitrosophenylhydroxylamine Aluminum Salt

CAS No. : 15305-07-4

EC No. : 239-341-7

Molecular formula :  $C_{18}H_{15}AlN_6O_6$

Molecular weight : 438.31

#### Physical data

Appearance : White to pale yellow crystalline solid

Purity :  $\geq 99\%$

Melting point : 160–172°C

Volatiles :  $\leq 0.5\%$

#### Solubility (w/w @ 20°C)

THF : 86%

Methanol : 0.4%

Toluene : 23%

Chloroform : 97%

#### Packaging and Storage

20kg fiber drum, Avoid knock, fire, insolation and rain. Kept in dry and ventilating place, far away from heat and fire.